No. 200500094

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

NexGen Turf Research, LLC

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FESCUE, TALL

'Bonsai 3000'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this fifth day of June, in the year two thousand and eight.*

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER
NexGen Turf Research, LLC

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
ATF804

3. VARIETY NAME
Bonsai 3000

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
33725 Columbus St. S. E.
Albany, OR
97322

5. TELEPHONE *(include area code)*
541-967-8923

6. FAX *(include area code)*
541-967-8223

FOR OFFICIAL USE ONLY

PVPO NUMBER
#200500094

FILING DATE
1/18/2005

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*
Incorporated

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
Oregon

9. DATE OF INCORPORATION
July 31, 2006

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*
Kenneth Hignight C/O
33725 Columbus St SE
Albany, OR
97322
USA

FEES RECEIVED

FILING AND EXAMINATION FEES:
$ 3,652.00
DATE 1/18/2005

CERTIFICATION FEE:
$ 768.00
DATE 5/1/2008

11. TELEPHONE *(Include area code)*
(541) 967-8923

12. FAX *(Include area code)*
(541) 967-8223

13. E-MAIL

14. CROP KIND *(Common Name)*
Tall Fescue

16. FAMILY NAME *(Botanical)*
Poaceae

15. GENUS AND SPECIES NAME OF CROP
Festuca arundinacea

17. IS THE VARIETY A FIRST GENERATION HYBRID?
☐ YES ☑ NO

18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (***OPTIONAL***)
☐ YES ☑ NO
IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERICALIZATION. _____

19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED
(Follow instructions on reverse)

a. ☑ Exhibit A. Origin and Breeding History of the Variety
b. ☑ Exhibit B. Statement of Distinctness
c. ☑ Exhibit C. Objective Description of Variety
d. ☑ Exhibit D. Additional Description of the Variety *(Optional)*
e. ☑ Exhibit E. Statement of the Basis of the Owner's Ownership
f. ☑ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
g. ☑ Filing and Examination Fee ($3,652), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
☐ YES *(If "yes", answer items 21 and 22 below)* ☑ NO *(If "no", go to item 23)*

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?
☑ YES ☐ NO
IF YES, WHICH CLASSES? ☑ FOUNDATION ☑ REGISTERED ☑ CERTIFIED

22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☑ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.
3 FOUNDATION S REGISTERED 7 CERTIFIED
(If additional explanation is necessary, please use the space indicated on the reverse.)

23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?
☐ YES ☑ NO
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?
☐ YES ☑ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER		SIGNATURE OF OWNER	
Kenneth Hignight			
NAME *(Please print or type)*		NAME *(Please print or type)*	
Kenneth Hignight			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Director of Research		Director of Research	

(See reverse for instructions and information collection burden statement)

ST-470 (04-03) designed by the Plant Variety Protection Office using Word 2002.

Exhibit A: #200500094

Origin and Breeding History
Bonsai 3000
ATF804 Tall Fescue
(ST:3/11/08)

ATF804 tall fescue (*Festuca arundinacea* Schreb.) is a medium low-growing, dark green, medium-fine-leaved, turf-type tall fescue selected from the maternal progenies of 36 clones. ATF804 was selected for better establishment and late maturity.

The parental germplasm of ATF804 tall fescue traces its origin to plants selected from old turfs of the United States in a germplasm collection program initiated in 1962. Attractive clones were selected from old turfs in Birmingham, AL; Athens, Atlanta, and Millegeville, GA; Preston, ID; Baltimore, MD; Bayonne, Jersey City, Elizabeth, Princeton, and Cape May, NJ; eastern North Carolina; Philadelphia, PA; Nashville, TN; Lexington, KY; Cincinnati, OH; Dallas, TX; and northern Mississippi. The tall fescue plants selected from old turfs were of unknown origin. All were large patches of turf surviving in stressful environments indicating that they had persisted and developed over a period of many years.

A few hundred attractive, turf-type plants were collected and established in spaced-plant nurseries and/or frequently mowed clonal evaluation trials at Rutgers University. All but a few dozen of the most promising plants were quickly discarded. The best selections were very different from any tall fescue variety in existence at the time of collection. They produced lower-growing turfs with finer leaves, greater density, darker color, and greater tolerance of close mowing.

The most promising plants were identified by their persistence and appearance in old turfs and their performance in spaced-plant nurseries, mowed clonal evaluation tests, and single-plant progeny trials under turf maintenance. Intercrosses of the best performing plants were subjected to varying cycles of phenotypic and genotypic selection depending on their date of collection. New sources of germplasm were added to the breeding program as it became available from the continuing collection program. Each cycle of selection showed continued progress in producing lower-growing, darker green, attractive plants with improved turf performance scores. Selection was also effective in maintaining high seed yields and good stress tolerance. Substantial progress was made in developing tall fescues with finer leaves, a lower growth profile, increased persistence under

close mowing, and increased density.

Large numbers of single-plant progenies were seeded in turf evaluation trials at the Plant Science Research Farm at Adelphia, NJ in 1995, 1996 and 1997. The plants selected for progeny evaluation were selected from spaced-plant nurseries at Adelphia following varying cycles of phenotypic and genotypic selection.

Following the establishment, a period of leaf spot disease, and weekly rolling in 1997, a total of 4,020 tillers were selected from 26 of the best performing single-plant progeny turf plots from the 1997 tall fescue test at Adelphia. These progenies were selected out of 1300 plots from 14 different populations from the 1997 test. In addition to the 4,020 plants, six-hundred plants were selected from the earliest maturing, best performing turf plots from the 1995 and 1996 tall fescue test at Adelphia. Thirteen single-plant progeny turf plots were selected from the 1995 test, and 17 from the 1996 tall fescue test at Adelphia. These were chosen from 2,085 plots from 21 different populations. These plants were established in greenhouse flats prior to their transfer to a spaced-plant nursery in the spring of 1998. Selection was based on performance records as well as appearance at the time the plants were selected from these progeny plots. Selection of plants from each progeny was based on an attractive dark green color, medium-fine leaves, abundant tillering and freedom from disease. In the spring of 1999, sixty-nine plants were selected from those nurseries for characteristics such as medium-early maturity, dark green color, high shoot density, semi-dwarf growth habit and freedom from disease. The selected plants were moved prior to anthesis, to an isolated crossing block at Adelphia. A total of fifty-nine plants with the best floret fertility and highest seed yield from twenty-one different mother lines were harvested. In the fall of 1999, one turf plot of each line was established at Adelphia.

In the fall of 1999 a single spaced-plant nursery was established containing 60 plants of 38 progeny lines (2,280 plants) in Albany, Oregon. In the spring of 2000, seven plants were selected from the spaced plant nursery. The selection criteria was based on dark green genetic color, crown density, freedom from stem rust (*Puccinia graminis*), freedom from leaf spot, heading date, and leaf texture. The seven plants were moved together in isolation and were harvested in bulk in 2000 and designated ATF804

In the fall of 2000 an increase block of ATF804 was established. In 2001 negative mass selection was used and 2% of the plants were rogued from the population. The plants that were

removed showed less vigor and had poor plant health. It is not know if the lack of vigor was due to environmental factors, or an environmental by genetic interaction. These types were not observed during the subsequent generations. The remaining plants were harvested in bulk and the seed was used to establish a morphological nursery for Plant Variety Protection (PVP) measurements

2. Breeder Seed Maintenance:

A breeder seed multiplication was planted in isolation in 2000 in Albany, Oregon. Seed was harvested in bulk in 2001 and is maintained in cold storage. Seed propagation is limited to three generations, one each of foundation, registered, and certified.

3. Stability and Uniformity:

(BT: 8/8/2006) 'Bonsai 3000' <ATF804> has been a stable uniform cultivar over two generations. No off-type or variant plants have been observed during the multiplication or reproduction. Turf plots and foundation class fields of Bonsai 3000 <ATF804> have been uniform and stable. (BT: 8/8/2006)

Exhibit A (addendum): Statement of Stability and Uniformity for Bonsai 3000 Tall Fescue

Bonsai 3000 has been a stable uniform cultivar over two generations. No off-type or variant plants have been observed during the multiplication or reproduction. During the breeder seed multiplication 2% of the plants were removed to improve the uniformity of the population. The plants that were removed showed less vigor and had poor plant health. It is not known if the lack of vigor was due to environmental factors, genetic factors, or an environment by genetic interaction. These types were not observed during the subsequent generations. Turf plots of Bonsai 3000 have been uniform and stable.

Exhibit B:
'Bonsai 3000'
Novelty Statement of ATF804 Tall Fescue
(ET:3/11/2008)

The following summary outlines the distinctive characteristics of ATF804. The novelty of ATF804 is based on the unique combination of theses characteristics. ATF804 is most similar to Rebel II, but may be differentiated by using the following criteria:

a. The genetic color of ATF804 is darker compared to Rebel II (tables 1A, 1B).
b. ATF804 has a mature plant height at least 36 cm shorter than Rebel II (tables 1A, 1B).
c. The flag leaf characteristics for ATF804; height, width, length, sheath length and internode length are all less compared to Rebel II (tables 1A, 1B).
d. The panicle length is at least 16 cm shorter for ATF804 compared to Rebel II (tables 1A, 1B).
e. The leaf blade characteristics for ATF804; height, length, sheath length and width are all less compared to Rebel II (tables 1A, 1B).
f. The length of the panicle from the lower most whorl to the apex is shorter for ATF804 than Rebel II (tables 2A, 2B, illus. 1).
g. The lemma characteristics of ATF804; length, width and awn length are all shorter compared to Rebel II (tables 2A, 2B).
h. ATF804 has a palea length, width and glume length that is less than Rebel II (tables 2A, 2B).
i. ATF804 has fewer spikelets per panicle compared to Rebel II (tables 2A, 2B).
j. The distance between the two lower most whorls for ATF804 is shorter compared to Rebel II (tables 2A, 2B, illus.1).
k. The length of the longest branch of the lower most whorl is shorter for ATF804 compared to Rebel II (tables 2A, 2B).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY PROGRAM
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(TALL & MEADOW FESCUES)

OBJECTIVE DESCRIPTION OF VARIETY
TALL & MEADOW FESCUES
(*Festuca* spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
NexGen Turf Research, LLC ~~c/o Kenneth Hignight~~ (ST: 3/11/08)	ATF804	Bonsai 3000

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)
(ST: 3/11/08) Kenneth Hignight c/o
33725 Columbus St. S. E.
Albany, OR
97322

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PVPO NUMBER
#200500094

Place the appropriate number that describes the varietal characteristics of this variety in the boxes below. Use leading zeroes when necessary (e.g. 089). Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characteristics marked with an asterisk * are characteristics which should be recorded.

* 1. SPECIES: (With comparison varieties, use varieties within the species of the application variety)

__X__ 1 = *F. arundinacea* (Tall)

Turf Types

1 = Kentucky 31 2 = Rebel 3 = Olympic 4 = Bonanza 5 = Arid 6 = Rebel II

7 = Shortstop 8 = Silverado 9 = Rebel Jr. 10 = Mini Mustang 11 = Crewcut 12 = Bonsai

Forage Types

20 = Kentucky 31 21 = Martin 22 = Forager 23 = Mozark

24 = Kenhy 25 = AU Triumph 26 = Fawn 27 = Cajun

_____ 2 = *F. pratensis* (Meadow)

30 = Admira 31 = Beaumont 32 = Comtessa 33 = Ensign 34 = Trader

* 2. CYTOLOGY:

____42____ Chromosome Number

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

__2__Transition Zone __2__West __2__ Northeast _____ Other (Specify):_____

* 4. MATURITY: (Date First Headed, 10% of Panicle Emergence)

__7__ Maturity Class 1 = Very early ( ) 2 = AU Triumph 3 = Early (Fawn) 4 = K31, Kenhy 5 = Medium (Rebel)

4. MATURITY: (continued)

4. MATURITY: (continued)

6 = Bonanza 7 = Late (Silverado) 8 = ( ) 9 = Very late

Date Headed _36.00 days after April 1,_____ Location ____Talbot, OR_____

_____ Days earlier than _____
Maturity same as _____
_5.25__Days later than _6___
} Comparison Variety

---

* 5. MATURE PLANT HEIGHT CM: (Average of 100 culms from crown to top of panicle, if panicle is nodding, straighten)

_77.03_ cm Height

_36.50_ cm Shorter than _6_
Height same as ___
__ __.__ cm Taller than ___
} Comparison Variety

* INTERNODE LENGTH CM: (First internode subtending the flag leaf)

_14.50_ cm InternodeLength

_7.93_ cm Shorter than _6_
Length same as ___
__ __.__ cm Longer than ___
} Comparison Variety

* HEIGHT AT EAR EMERGENCE CM: (Flag leaf height from crown to flag leaf node)

_33.45_ cm Height

_20.93_ cm Shorter than _6_
Height same as ___
__ __.__ cm Taller than ___
} Comparison Variety

---

* 6. GROWTH HABIT: (Mature Plants)

_7_ 1 = Prostrate ( ) 3 = Semiprostrate ( ) 5 = Horizontal ( )

7 = Semierect (Rebel) 9 = Erect (Mini Mustang)

---

* 7. RHIZOMES (Psuedo):

__ __.__ mm Length _2_ 1 = Absent ( ) 2 = Rare (Rebel) 3 = Common ( )

---

* 8. LEAF BLADE: (Tiller leaves/ turf color)

*_7_ Color: 1 = Light green ( ) 3 = Medium light green ( ) 5 = Green ( )

7 = Medium dark green ( ) 9 = Very dark green ( )

__4__ Specify rating of comparison variety

*_1_ Anthocyanin: 1 = Absent ( ) 9 = Present ( )

*_1_ Basal Hairs: 1 = Absent ( ) 9 = Present ( )

*_1_ Margins: 1 = Smooth ( ) 5 = Semi-rough ( ) 9 = Rough ( )

8. LEAF BLADE: (continued)

*_7_Width Class: 1 = Very coarse ( ) 3 = Coarse ( ) 5 = Medium ( )
7 = Fine ( ) 9 = Very Fine ( )

* TILLER LEAF LENGTH CM: (First leaf subtending the flag leaf)

_20.30_ cm Tiller Leaf Length

_12.98_ cm Shorter than _6_
Length same as ___
__.__ cm Taller than ___
} Comparison Variety

* TILLER LEAF WIDTH MM:

_7.20_ mm Tiller Leaf Width

_2.68_ mm Narrower than _6_
Width same as ___
__.__ mm Longer than ___
} Comparison Variety

FLAG LEAF LENGTH CM:

_27.70_ cm Flag Leaf Length

_14.80_ cm Shorter than _6_
Length same as ___
__.__ cm Longer than ___
} Comparison Variety

FLAG LEAF WIDTH MM:

_4.95_ mm Flag Leaf Width

1.78_ mm Narrower than _6_
Width same as ___
__.__ mm Wider than ___
} Comparison Variety

---

* 9. LEAF SHEATH: (Basal Portion)

*_1_ Anthocyanin (seedling): 1 = Absent (K31) 9 = Present ( )

*_9_ Auricle Hairiness: 1 = Absent ( ) 9 = Present ( )

---

* 10. PANICLE: (At seed maturity except where noted.)

*_3_ Shape: 1 = Narrow-tapering ( ) 5 = Ovate ( ) 7 = Oblong ( ) 9 = Other (specify)

*_5_ Type: 1 = Compact (appressed) 5 = Intermediate ( ) 7 = Open ( ) 9 = Other (specify)

*_9_ Orientation: 1 = Nodding ( ) 9 = Erect ( )

*_1_ Branch Pubescence: 1 = Glabrous ( ) 9 = Pubescent ( )

*_1_ Anther Color (At anthesis): 1 = Yellowish Green 2 = Green 3 = Bluish Green
4 = Purplish 5 = Reddish 6= Other (Specify)

*_1_ Glume Color (At anthesis): 1 = Yellowish Green 2 = Green 3 = Bluish Green
4 = Purplish 5 = Reddish 6= Other (Specify)

*__62.45_ cm Panicle Length (from base to tip, if nodding, straighten; after anthesis)

_23.75_ cm Shorter than _6_
Length same as ___
__.__ cm Longer than ___
} Comparison Variety

* 11. SEED: (With Lemma & Pelea)

*__2487__ mg per 1000 seeds

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_____ mg Less than ___
Weight same as _6_ } Comparison Variety
_____ mg More than ___

PALEA: (Keels or Margins) _5_ Hairs: 1 = Absent ( ) 5 = Short (Missouri 96) 9 = Long ( )

LEMMA: _5_ Hairs: 1 = Absent (Kenhy) 5 = Several ( ) 9 = Many (Missouri 96)

_5.38_ mm Lemma Length (Mature)

_0.75 mm Shorter than _6_
Length same as ___ } Comparison Variety
__.__ mm Longer than ___

_1.38_ mm Lemma Width

_0.15 mm Narrower than _6_
Width same as ___ } Comparison Variety
__.__ mm Wider than ___

*AWNS: _9_ AWNS: 1 = Absent ( ) 9 = Present (Falcon) _100_% Plants with awns

_1.30_ mm Awn length (Of those present.)

_0.40_ mm Shorter than_6_
Length same as ___ } Comparison Variety
__.__ mm Longer than ___

12. DISEASE, INSECT, AND NEMATODE REACTION: (0= Not Tested 1= Least Resistant 9= Most Resistant)

_0_ Melting-out *Drechslera poae*
_0_ Leaf Spot *D. siccans*
_0_ Net Blotch *D. dictyoides*
_0_ Brown Patch *Rhizoctonia solani*
_0_ C. Leaf Spot *Cercospora fectucae*
_0_ Pink Snow Mold *Gerlachia nivalis*
_0_ Silver Top *F. tricinctum, F. roseum*

_0_ Blind Seed *Gloeotinia temulenta*
_0_ Dollar Spot *Lanzia, Mollerdiscus* spp.
_0_ Stem Rust *Puccinia graminis*
_0_ T. Blight *Typhula incarnata*
_0_ Pythium Blight *Pythium* spp.
_0_ Powdery Mildew *Erysiphe graminis*
_0_ Crown Rust *Puccinia coronata*

_0_ Other Disease _____
_0_ Other Insect _____
_0_ Other Nematode _____

13. ENVIRONMENTAL STRESS

_6_ Drought Stress 1 = Susceptible ( ) 5 = Tolerant ( ) 9 = Resistant ( )
___ Shade Stress 1 = Susceptible ( ) 5 = Tolerant ( ) 9 = Resistant ( )

13. ENVIRONMENTAL STRESS: (continued)

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_6_ Winter Stress 1 = Susceptible ( ) 5 = Tolerant ( ) 9 = Resistant ( )

14. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics, indicate the degree of resemblance with the following scale:

1 = Application variety is less than comparison variety 2 = Same as 3 = More than, better, greater, darker, etc.

Character	Varieties	Rating	Character	Varieties	Rating
Leaf Width	Rebel II	1	Leaf Color	Rebel II	3
Panicle Color	Rebel II	2	Panicle Shape	Rebel II	2
Seed Size	Rebel II	2	Cold Injury	Rebel II	2
Winter Color	Rebel II	3	Heat	Rebel II	2
Disease	Rebel II	3			

* 15. EXPERIMENTAL: Give a brief summary of the experimental design utilized to collect the data used on this form. Cultural conditions, number of plants measured and plant spacing must be specified.

Two morphological nurseries were established in September 2003 and designated 03PVPFA1 and 03PVPFA2. Nursery 03PVPFA1 - Location 1 located in Talbot, Oregon. Nursery 03PVPFA2 - Location 2 located in Albany, Oregon. Soil profile for 03PVPFA1- Location 1 consists of a Newberg silt loam, well drained, with a pH of 5.8. Soil profile for 03PVPFA2 - Location 2 consists of a Woodburn silt loam, medium-well drained, with a pH of 5.2.

Experimental design consisted of 11 entries; 4 replications per entry; 20 plants per replication; for a total of 80 plants per entry. Crewcut, Forte', KY-31, and Rebel II were used as a standards. Plants were established on 2.5 foot centers with a skip row between replications and between entries.

The nurseries received 30 pounds of nitrogen per acre rate following establishment and 50 pounds of nitrogen per acre per year in 2004. The fertilizer source was 15 - 15 - 15 and was applied as a split application with ½ applied in the fall and ½ in the spring. The nurseries were sprayed in the spring with Quilt (2oz/acre rate), to prevent stem rust.

Data was analyzed using analysis of variance for a randomized complete block design. Means were calculated for each replication and then analyzed for tables 1A, 1B, 2A, 2B, 3A, and 3B.

Tables 4A, and 4B data was analyzed using binary data confidence intervals. The confidence intervals are given for the characteristics which expressed significant differences.

#200500094

Exhibit D:

Additional Description

'Bonsai 3000'
<**ATF804 Tall Fescue**
(BT: 3/11/2008)

'Bonsai 3000'
<ATF804 is an improved turf-type tall fescue. It has a shorter mature plant height (tables 1A, 1B) than previously released tall fescue cultivars, such as Cortez II, Forte', Six Point, Crewcut, KY-31 and Rebel II. ATF804 has a medium-late maturity with a heading date later than Cortez II, Falcon IV, Six Point, Rebel II and KY-31(tables 1A, 1B). ATF804 exhibits a darker genetic color compared to Falcon IV,Crewcut, KY-31 and Rebel II (tables 1A, 1B). The length of the panicle is shorter for ATF804 compared to Cortez II, Falcon IV, Six Point, Forte', Crewcut, KY-31 and Rebel II (tables 1A, 1B). The flag leaf characteristics of height and length are shorter for ATF804 compared to Falcon IV, Six Point, Forte', Crewcut, KY-31 and Rebel II (tables 1A, 1B). The leaf blade characteristics; height, length, width and sheath length are shorter for ATF804 compared to Crewcut, KY-31 and Rebel II (tables 1A, 1B). The leaf blade length and sheath length of ATF804 is also shorter than Six Point and Forte' (tables 1A, 1B). ATF804 has a shorter palea , glume, and lemma length compared to Crewcut, KY-31, and Rebel II (tables 2A, 2B). The length of the panicle from the lower most whorl to the apex is shorter for ATF804 compared to Six Point, Forte', Crewcut, KY-31, and Rebel II (tables 2A, 2B). The number of spikelets per panicle is less for ATF804 than Falcon IV, Six Point, Forte', Crewcut, KY-31, and Rebel II (tables 2A, 2B). The length of the spikelet of ATF804 is shorter than Crewcut, Rebel II, and KY-31 (tables 2A, 2B). The distance between the two lower most whorls is shorter for ATF804 compared to Six Point, Crewcut, KY-31 and Rebel II (tables 2A, 2B, illus. 1). The number of spikelets on the longest branch of the lower most whorl is less for ATF804 compared to Six Point, Forte', Crewcut, KY-31, and Rebel II (tables 2A, 2B). The milligram weight of 1,000 seeds of ATF804 is more than Falcon IV, Six Point, Cortez II, Crewcut, KY-31, and Rebel II, but less than Forte' (tables 4A, 4B). The production of purple pigmentation of the anthers is more frequent in ATF804 compared to Cortez II (tables 3A, 3B).

Table 1A

2004 Morphological Data - Location 1

Cultivar	Genetic Color (1-9 scale 9=darker)	Heading Date (days after April 1)	Anthesis Date (days after April 1)	Mature Plant Height (cm)	Plant Width (cm)	Panicle Length (cm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Flag Leaf Height (cm)	Flag Leaf Sheath Length (cm)	Flag Leaf Internode Length (cm)	Leaf Blade Length (cm)	Leaf Blade Width (mm)	Leaf Blade Height (cm)	Leaf Sheath Length (cm)
Bonsai 3000 (BT: 3/18/08) <ATF804>	6.63	36.00	62.75	77.03	12.20	62.45	27.70	4.95	33.45	18.30	14.50	20.30	7.20	9.65	8.83
Falcon IV	6.45	30.25	57.25	87.60	14.05	72.38	30.23	5.38	35.45	20.30	14.63	22.15	8.03	10.05	9.08
Six Point	6.43	29.50	57.50	94.43	14.38	74.58	32.23	6.05	40.85	21.25	17.13	24.70	8.75	12.68	10.28
Cortez II	6.78	31.25	58.00	86.73	13.13	69.83	30.53	5.25	37.28	19.83	15.30	22.38	7.68	11.58	9.70
Forte'	6.45	31.75	58.25	88.78	14.30	70.18	30.30	4.98	39.60	21.05	16.15	23.58	7.78	12.53	10.20
Crewcut	5.23	32.75	61.25	98.73	15.30	76.25	37.23	7.00	46.03	23.73	18.40	29.28	9.73	15.80	11.93
Rebel II	4.15	30.75	60.25	113.53	15.75	86.20	42.50	6.73	54.38	27.93	22.43	33.28	9.88	17.90	13.88
KY-31	3.85	28.50	58.25	127.18	15.03	95.23	46.28	6.88	63.98	32.45	24.35	36.45	10.30	23.58	16.28
LSD (0.05)	0.16	1.86	1.46	4.47	1.13	4.05	2.06	0.61	3.11	1.38	1.54	1.81	0.57	1.87	0.74
CV	2.15	4.81	2.05	4.00	6.69	4.59	5.13	8.71	6.24	5.16	7.54	5.95	5.55	11.85	5.75

■ Cultivar under evaluation
■ Significant difference over two locations one year.
■ Significant difference over one location one year.
Measurements taken in Talbot, Oregon
4 reps; 20 plants/rep = 80 data points

Table 1B 2004 Morphological Data - Location 2

Cultivar 'Bonsai 3000'	Genetic Color (1-9 scale 9=darker)	Heading Date (days after April 1)	Anthesis Date (days after April 1)	Mature Plant Height (cm)	Plant Width (cm)	Panicle Length (cm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Flag Leaf Height (cm)	Flag Leaf Sheath Length (cm)	Flag Leaf Internode Length (cm)	Leaf Blade Length (cm)	Leaf Blade Width (mm)	Leaf Blade Height (cm)	Leaf Sheath Length (cm)
(BT: 3/18/'08) <ATF804>	6.55	30.50	58.40	85.55	16.13	63.95	29.55	4.13	41.75	19.90	17.23	25.93	5.88	15.48	11.35
Falcon IV	6.20	25.25	54.05	95.23	18.20	70.35	33.80	5.25	45.93	21.83	18.08	30.10	7.00	19.38	12.13
Six Point	6.43	23.50	53.33	101.23	19.38	77.05	36.05	4.55	47.05	23.50	19.73	32.05	6.63	17.58	12.40
Cortez II	6.75	24.75	53.35	92.55	17.05	70.65	32.10	3.90	42.83	20.98	17.28	29.90	6.05	15.53	11.83
Forte'	6.60	24.00	53.33	96.25	17.68	73.60	35.10	4.18	45.15	22.38	18.45	31.45	6.00	16.98	12.23
Crewcut	5.33	28.25	57.60	107.18	19.90	78.30	40.13	4.70	55.15	25.13	21.73	37.88	7.03	23.10	14.30
Rebel II	4.15	22.50	52.85	126.05	23.60	90.08	47.10	6.18	66.45	29.73	26.15	42.23	8.35	27.70	16.33
KY-31	3.60	21.00	51.63	141.85	22.90	95.50	50.73	6.25	76.83	34.60	28.93	47.70	9.58	35.93	20.25
LSD (0.05)	0.26	2.22	1.24	5.25	1.74	4.43	2.58	0.97	3.83	1.44	1.39	1.72	0.94	3.02	0.74
CV	3.60	7.06	1.88	4.36	7.70	4.98	5.90	16.95	6.45	5.07	5.86	4.36	11.31	12.79	4.71

■ Cultivar under evaluation
▩ Significant difference over two locations one year.
▩ Significant difference over one location one year.
Measurements taken in Albany, Oregon
4 reps; 20 plants/rep = 80 data points

Table 2A 2004 Laboratory Morphological Data - Location 1

Cultivar 'Bonsai 3000'	Lemma Length (mm)	Lemma Width (mm)	Lemma Awn Length (mm)	Palea Length (mm)	Palea Width (mm)	Glume Length (mm)	Length of Panicle from Lower Most Whorl to Tip (mm)	Spikelets per Panicle	Florets per Spikelet	Spikelet Length (mm)	Length of Longest Whorl (mm)	Distance Between Lower Most Whorls (mm)	Number of Spikelets on the Longest Whorl
ATF804	5.38	1.38	1.30	6.00	1.23	4.48	184.70	67.50	7.75	12.58	87.33	51.38	11.50
Falcon IV	5.63	1.45	1.45	6.25	1.25	4.53	194.33	76.25	7.50	12.88	89.95	53.60	13.00
Six Point	5.60	1.45	1.25	6.10	1.33	4.45	211.48	84.00	8.25	12.93	97.38	55.58	14.75
Cortez II	5.43	1.40	1.38	5.95	1.23	4.48	190.18	75.25	8.00	12.90	86.63	50.78	13.25
Forte'	5.38	1.35	1.43	6.00	1.28	4.58	202.78	79.75	7.75	12.65	96.63	54.90	14.00
Crewcut	5.98	1.45	1.70	6.63	1.30	5.10	254.85	97.75	8.50	14.40	121.00	68.15	18.00
Rebel II	6.13	1.53	1.70	6.75	1.33	5.33	268.53	95.50	7.50	13.38	116.50	66.48	15.75
KY-31	6.10	1.43	1.50	6.88	1.33	5.20	287.08	99.50	7.50	13.85	115.95	73.40	14.00
LSD (0.05)	0.32	0.08	0.18	0.22	0.07	0.25	15.17	7.88	0.68	0.72	8.96	3.75	2.10
CV	4.71	4.90	10.39	2.89	4.50	4.43	5.86	7.88	7.32	4.62	7.69	5.48	12.28

(BT: 3/28/08)

■ Cultivar under evaluation
■ Significant difference over two locations one year.
■ Significant difference over one location one year.
Measurements taken in Talbot, Oregon
4 reps; 20 plants/rep = 80 data points

#20050094

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Table 2B 2004 Laboratory Morphological Data - Location 2

Cultivar 'Bonsai 3000'	Lemma Length (mm)	Lemma Width (mm)	Lemma Awn Length (mm)	Palea Length (mm)	Palea Width (mm)	Glume Length (mm)	Length of Panicle from Lower Most Whorl to Tip (mm)	Spikelets per Panicle	Florets per Spikelet	Spikelet Length (mm)	Length of Longest Whorl (mm)	Distance Between Lower Most Whorls (mm)	Number of Spikelets on the Longest Whorl
ATF804	5.00	1.45	1.38	5.83	1.23	4.30	185.40	74.25	6.75	11.30	83.40	47.18	13.00
Falcon IV	5.23	1.50	1.53	5.93	1.23	4.45	215.45	91.75	6.50	11.53	94.28	53.75	15.75
Six Point	5.10	1.43	1.43	5.95	1.23	4.33	218.28	95.75	6.50	11.43	96.33	55.88	17.00
Cortez II	4.95	1.45	1.50	5.80	1.23	4.33	197.85	84.25	7.00	11.40	86.03	50.03	16.25
Forte'	5.00	1.48	1.48	5.83	1.23	4.18	209.90	90.25	6.25	10.93	92.55	52.63	15.75
Crewcut	5.75	1.55	1.88	6.55	1.28	5.00	256.05	96.50	7.00	12.63	112.75	64.70	16.75
Rebel II	5.70	1.55	1.73	6.55	1.35	4.80	272.58	111.00	6.25	12.20	114.43	64.28	18.75
KY-31	5.60	1.50	1.58	6.70	1.30	4.95	299.45	117.75	6.50	12.58	119.93	71.55	16.50
LSD (0.05)	0.17	0.08	0.12	0.21	0.06	0.22	11.53	9.18	0.63	0.71	7.85	3.10	2.64
CV	2.68	4.52	6.42	2.94	3.92	4.15	4.34	8.11	7.92	5.15	6.88	4.69	13.38

■ Cultivar under evaluation
■ Significant difference over two locations one year.
■ Significant difference over one location one year.
Measurements taken in Albany, Oregon
4 reps; 20 plants/rep = 80 data points

Panicle Type Inflorescence

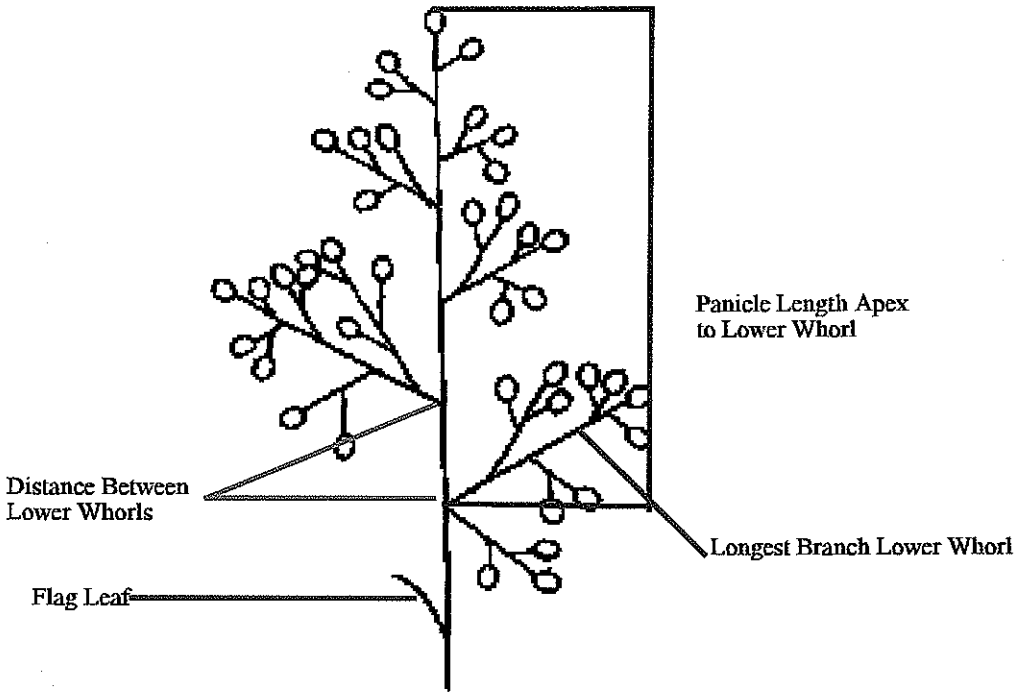

Illustration 1.

Table 3A 2004 Additional Morphological Measurements of the Panicle - Location 1

Cultivar	Growth Habit at Anthesis % Prostrate	Growth Habit at Anthesis % Horizontal	Growth Habit at Anthesis % Erect	Anther Color			Panicle Color % Purple	Lemma Awn % Present	Glume Color % Purple	Panicle Orientation % Nodding	Panicle Shape % Ovate	Panicle Type % Open	Panicle Branch Lower Whorl =1	Panicle Branch Lower Whorl =2	Panicle Branch Lower Whorl >3	Panicle Branch Pubescence % Present
				% Purple	Lower CI	Upper CI										
(BT:3/18/08) 'Bonsai 3000'																
ATF804	0	81	19	1	0.000	0.032	0	100	0	1	50	50	9	85	6	4
Falcon IV	0	65	35	1	0.000	0.032	6	100	1	1	26	26	14	80	6	0
Six Point	1	65	34	4	0.000	0.083	5	96	0	0	36	36	15	84	1	3
Cortez II	0	64	36	0	0.000	0.000	1	99	0	3	48	48	21	71	8	1
Forte'	0	70	30	3	0.000	0.067	4	100	0	1	53	53	15	81	4	1
Crewcut	0	81	19	1	0.000	0.032	6	100	0	8	41	41	21	78	1	5
Rebel II	13	74	13	4	0.000	0.083	13	100	1	19	41	41	20	76	4	1
KY-31	16	84	0	1	0.000	0.032	5	100	0	14	44	44	13	80	7	8
LSD 0.05																

■ Cultivar under evaluation
■ Significant difference over two locations one year.
■ Significant difference over one location one year.
Measurements taken in Talbot, Oregon
CI - Confidence Interval
4 reps; 20 plants/rep = 80 data points

Table 3B 2004 Additional Morphological Measurements of the Panicle - Location 2

Cultivar	Growth Habit at Anthesis % Prostrate	Growth Habit at Anthesis % Horizontal	Growth Habit at Anthesis % Erect	Anther Color			Panicle Color % Purple	Lemma Awn % Present	Glume Color % Purple	Panicle Orientation % Nodding	Panicle Shape % Ovate	Panicle Type % Open	Panicle Branch Lower Whorl =1	Panicle Branch Lower Whorl =2	Panicle Branch Lower Whorl >3	Panicle Branch Pubescence % Present
				% Purple	Lower CI	Upper CI										
(BT:3/28/08) 'Bonsai 3000'																
ATF804	3	79	19	23	0.138	0.322	8	95	4	10	55	55	15	79	6	1
Falcon IV	0	78	22	1	0.000	0.032	14	98	2	9	49	49	19	80	1	0
Six Point	0	83	18	6	0.008	0.112	13	98	3	3	38	38	24	75	1	0
Cortez II	1	89	10	4	0.000	0.083	4	96	4	6	39	39	39	54	7	0
Forte'	3	81	16	1	0.000	0.032	8	96	1	6	41	41	15	82	3	0
Crewcut	0	95	5	5	0.002	0.098	8	99	4	4	54	54	14	85	1	3
Rebel II	4	81	15	3	0.000	0.067	6	100	3	16	33	33	23	76	1	1
KY-31	8	89	4	3	0.000	0.067	6	88	5	34	38	38	5	90	5	4
LSD 0.05																

■ Cultivar under evaluation
▩ Significant difference over two locations one year.
▩ Significant difference over one location one year.

Measurements taken in Albany, Oregon
CI - Confidence Interval
4 reps; 20 plants/rep = 80 data points

Table 4A 2004 Additional Morphological Measurements - Location 1

Cultivar	Anthocyanin Present in the Leaf Blade % Purple	Leaf Blade Margin Roughness to the Touch % Smooth	Leaf Blade Margin Roughness to the Touch % Semi-Rough	Leaf Blade Margin Roughness to the Touch % Rough	Leaf Blade Margin Hairs % Present	Leaf Sheath Auricle Hairs % Present	Rhizomes % Present	Lemma Hairs % Present	Palea Hairs % Present	Node Color % Distinct	Seed Weight (mg/1,000 seeds)
(BT:3/28/08) 'Bonsai 3000'											
ATF804	0	0	32	68	78	100	6	94	100	1	2505
Falcon IV	0	0	25	75	90	100	0	100	100	4	1847
Six Point	0	0	30	70	95	100	0	100	100	0	1764
Cortez II	0	1	29	70	81	100	0	89	100	3	2343
Forte'	0	0	24	76	89	100	0	99	100	1	2725
Crewcut	0	1	41	58	93	100	1	100	100	5	2176
Rebel II	0	5	51	44	96	100	1	100	100	23	2250
KY-31	0	5	56	39	93	100	0	100	100	24	1893

■ Cultivar under evaluation
▩ Significant difference over two locations one year.
▩ Significant difference over one location one year.

Measurements taken in Talbot, Oregon

4 reps; 20 plants/rep = 80 data points

Table 4B 2004 Additional Morphological Measurements - Location 2

Cultivar	Anthocyanin Present in the Leaf Blade % Purple	Leaf Blade Margin Roughness to the Touch % Smooth	Leaf Blade Margin Roughness to the Touch % Semi-Rough	Leaf Blade Margin Roughness to the Touch % Rough	Leaf Blade Margin Hairs % Present	Leaf Sheath Auricle Hairs % Present	Rhizomes % Present	Lemma Hairs % Present	Palea Hairs % Present	Node Color % Distinct	Seed Weight (mg/1,000 seeds)
'Bonsai 2000'											
ATF804	0	3	73	24	94	100	6	100	100	19	2487
Falcon IV	0	8	62	30	94	100	1	100	100	14	1862
Six Point	0	19	58	23	89	100	5	100	100	18	1785
Cortez II	0	8	62	30	94	100	4	100	100	25	2305
Forte'	0	6	74	20	99	100	6	100	100	16	2711
Crewcut	0	11	66	23	98	100	4	100	100	23	2175
Rebel II	0	29	53	18	93	100	4	100	100	38	2486
KY-31	0	16	61	23	93	100	3	100	100	63	1813

■ Cultivar under evaluation
■ Significant difference over two locations one year.
■ Significant difference over one location one year.

Measurements taken in Albany, Oregon

4 reps; 20 plants/rep = 80 data points

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued *(7 U.S.C. 2421)*. The information is held confidential until the certificate is issued *(7 U.S.C. 2426)*.

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
NexGen Turf Research, LLC	ATF804	Bonsai 3000
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	**5. TELEPHONE** *(Include area code)*	**6. FAX** *(Include area code)*
33725 Columbus St. S. E. Albany, OR 97322	(541) 967-8923	(541) 967-8223
	7. PVPO NUMBER #200500094	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. **If no, please explain.** ☑ **YES** ☐ **NO**

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? **If no, give name of country.** ☑ **YES** ☐ **NO**

10. Is the applicant the original owner? ☑ **YES** ☐ **NO** **If no, please answer one of the following:**

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?
☐ **YES** ☐ **NO** **If no, give name of country**

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?
☐ **YES** ☐ **NO** **If no, give name of country**

11. Additional explanation on ownership *(Trace ownership from original breeder to current owner. Use the reverse for extra space if needed)*:

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

ST-470-E (04-03) designed by the Plant Variety Protection Office using Word 2000

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S)	ADDRESS *(Street and No. or RD No., City, State, and Zip Code and Country)*	TEMPORARY OR EXPERIMENTAL DESIGNATION
NexGen ~~Seed~~ Turf Research, LLC (ST: 3/11/2008)	33725 Columbus St. SE. Albany, OR 97322 USA	ATF804
		VARIETY NAME Bonsai 3000
NAME OF OWNER REPRESENTATIVE (S)	**ADDRESS** *(Street and No. or RD No., City, State, and Zip Code and Country)*	**FOR OFFICIAL USE ONLY**
Kenneth Hignight	33725 Columbus St. SE. Albany, OR 97322 USA	**PVPO NUMBER** #200500094

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Kenneth Hignight
Signature

7-17-07
Date